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	Application No.	Applicant(s)	
	10/524 069	BOUNEDT ET AL	
Notice of Allowability	10/534,068 Examiner	BOHNERT ET AL. Art Unit	
•			
	Jerry Martin Blevins	2883	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS Is herewith (or previously mailed), a Notice of Allowance (PTOL-88 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in 5) or other appropriate commur RIGHTS. This application is su	this application. If not included nication will be mailed in due course. The	HIS ıitiativ∉
1. $igties$ This communication is responsive to $amendment$ filed De	<u>ecember 3, 2007</u> .		
2. X The allowed claim(s) is/are 1.3,5-7,9-11 and 14-18.			
3. ☑ Acknowledgment is made of a claim for foreign priority (a) ☑ All b) ☐ Some* c) ☐ None of the:	under 35 U.S.C. § 119(a)-(d) or	r (f).	
 Certified copies of the priority documents have 			
2. Certified copies of the priority documents have	•		
Copies of the certified copies of the priority d	locuments have been received	in this national stage application from t	he
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	er of this communication to file a IMENT of this application.	a reply complying with the requirements	S .
4. A SUBSTITUTE OATH OR DECLARATION must be sub- INFORMAL PATENT APPLICATION (PTO-152) which gi	mitted. Note the attached EXAI	MINER'S AMENDMENT or NOTICE OF declaration is deficient.	F
5. CORRECTED DRAWINGS (as "replacement sheets") mo	ust be submitted.		
(a) including changes required by the Notice of Draftspe		(PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examine Paper No./Mail Date	er's Amendment / Comment or i	n the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the the header according to 37 CFR	e drawings in the front (not the back) of t 1.121(d).	
 DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MATE	RIAL must be submitted. Note the	
Attachment(s)			
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Info	ormal Patent Application	
2. 🔲 Notice of Draftperson's Patent Drawing Review (PTO-948)			
3. Information Disclosure Statements (PTO/SB/08),		/lail Date .mendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's S	statement of Reasons for Allowance	
or biological Material	9. 🔲 Other	110.	

BRIAN HEALY PRIMARY PATENT EXAMINER Application/Control Number: 10/534.068

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DETAILED ACTION

Response to Arguments

Applicant's arguments, see pages 6-9, filed December 3, 2007, with respect to claims 1, 3, 5-7, 9-11, and 14-18 have been fully considered and are persuasive. The rejection of claims 1, 3, 5-7, 9-11, and 14-18 has been withdrawn.

Allowable Subject Matter

Claims 1, 3, 5-7, 9-11, and 14-18 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art, as best exemplified by US 4,802,731 to Maschek et al., teaches a high-voltage component (10) comprising a first end (9) and a second end (5) wherein under operating conditions the first end is on a high-voltage potential with respect to the second end (abstract), comprising an insulating part (6) which is arranged between the first end and the second end, and comprising at least one optical fiber (11) which is integrated in the high-voltage component and which extends from the first end to the second end, wherein the high-voltage component comprises at least one capillary (7, column 3, lines 30-44) which extends from the first end to the second end and which is arranged within the insulating part (Figure 1), wherein the inside diameter of the capillary exceeds the outside diameter of the fiber (Figure 2), wherein the fiber is arranged within the capillary (Figure 2), and wherein the capillary comprises a protective medium (19, column 4, lines 10-21) to achieve a dielectric strength within the capillary,

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which dielectric strength is suitable for the operating conditions (column 1, lines 29-36). Maschek does not teach that the outside of the capillary is enclosed by a capillary coating in order to protect the capillary against mechanical stress. US 6,140,810 to Bohnert et al. teaches a capillary enclosed by a capillary coating in order to protect the capillary against mechanical stress (column 5, lines 25-45). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the capillary of Maschek with the capillary coating of Bohnert. The motivation would have been to protect the capillary against mechanical stress (Bohnert, column 5, lines 25-45). Maschek also does not teach that the high-voltage component comprises a current sensor and/or a voltage/sensor. Bohnert teaches a high-voltage component which comprises a current sensor and/or a voltage sensor (element 1). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the sensor of Bohnert in the high-voltage component of Maschek. The motivation would have been to accurately gauge the current and/or voltage of the component so as to prevent damage. However, Maschek also does not teach that the capillary is designed and arranged in the insulating part such that thermo-mechanical stress, which the insulating part exerts on the capillary during the curing process of the insulation part leaves it undamaged. Further, Maschek, alone or in combination with the prior art, fails to disclose or render obvious a capillary designed and arranged in an insulating part such that thermo-mechanical stress, which the insulating part exerts on the capillary during the curing process of the insulation part, leaves it undamaged.

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Claims 3, 5-7, 9, 10, and 18 are allowed due to their dependence from allowed base claim 1.

Regarding claim 11, the prior art, as best exemplified by Maschek, teaches a method for producing a high-voltage component (10) comprising a first end (9) and a second end (5) wherein under operating conditions the first end is on a high-voltage potential with respect to the second end (abstract), and comprising an insulating part (6) which is arranged between the first end and the second end, wherein between the first end and the second end within the insulating part at least one capillary is arranged to accommodate at least and one optical fiber (11) (column 3, lines 30-44), and wherein a protective medium (19) is placed in the capillary to achieve a dielectric strength in the capillary, which dielectric strength is suitable for the operating conditions (column 1, lines 29-36). Maschek also teaches that the fiber is placed in the capillary (column 3, lines 30-44). Maschek does not teach that a capillary coating is selected such that it is applied to the outside of the capillary before the capillary is arranged within the insulating part. US 6,203,647 to Schuler et al. teaches a production method for a highvoltage component comprising a capillary coating applied to the outside of the capillary before the capillary is arranged within an insulating part (column 2, lines 31-39). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the production method of Maschek with the teachings of Schuler. The motivation would have been to allow for the proper placement and alignment of the above components. However, Maschek also does not teach that the capillary coating is selected such that, when it is cast in the material of the insulating part, it has good

wetting characteristics. Further, Maschek, alone or in combination with the prior art, fails to disclose or render obvious a capillary coating selected such that, when it is cast in the material of an insulating part, it has good wetting characteristics.

Claims 14-17 are allowed due to their dependence from allowed base claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerry Martin Blevins whose telephone number is 571-272-8581. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on 571-272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JMB

BRIAN HEALY PRIMARY PATENT EXAMINER